

Ru Shan Chen

List of Publications by Year in descending order

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418
papers

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218677

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419
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419
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419
times ranked

2088
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable Electric Field TDIE Solvers via Quasi-Exact Evaluation of MOT Matrix Elements. IEEE Transactions on Antennas and Propagation, 2011, 59, 574-585.	5.1	133
2	Application of the SSOR preconditioned CG algorithm to the vector FEM for 3D full-wave analysis of electromagnetic-field boundary-value problems. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1165-1172.	4.6	96
3	Design of Compact Bandpass Filters Using Quarter-Mode and Eighth-Mode SIW Cavities. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 956-963.	2.5	91
4	Monolayered Silicon and Germanium Monopnictide Semiconductors: Excellent Stability, High Absorbance, and Strain Engineering of Electronic Properties. ACS Applied Materials & Interfaces, 2018, 10, 5133-5139.	8.0	89
5	Tuning electronic and optical properties of arsenene/C ₃ N van der Waals heterostructure by vertical strain and external electric field. Nanotechnology, 2018, 29, 075201.	2.6	89
6	Compact Dual-Band Balanced SIW Bandpass Filter With Improved Common-Mode Suppression. IEEE Microwave and Wireless Components Letters, 2017, 27, 347-349.	3.2	75
7	Particle-Swarm-Optimization-Based Multiuser Detector for CDMA Communications. IEEE Transactions on Vehicular Technology, 2007, 56, 3006-3013.	6.3	68
8	Coherent Processing and Superresolution Technique of Multi-Band Radar Data Based on Fast Sparse Bayesian Learning Algorithm. IEEE Transactions on Antennas and Propagation, 2014, 62, 6217-6227.	5.1	52
9	Nested Equivalent Source Approximation for the Modeling of Multiscale Structures. IEEE Transactions on Antennas and Propagation, 2014, 62, 3664-3678.	5.1	51
10	The unconditionally stable Crank Nicolson FDTD method for three-dimensional Maxwell's equations. Microwave and Optical Technology Letters, 2006, 48, 1619-1622.	1.4	50
11	Compact Differential Rectangular Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 662-665.	4.0	50
12	Dual-layer achromatic metalens design with an effective Abbe number. Optics Express, 2020, 28, 26041.	3.4	47
13	Tunable Electronic Properties and Potential Applications of 2D GeP/Graphene van der Waals Heterostructure. Advanced Electronic Materials, 2020, 6, 1901024.	5.1	42
14	Multilevel fast multipole algorithm enhanced by GPU parallel technique for electromagnetic scattering problems. Microwave and Optical Technology Letters, 2010, 52, 502-507.	1.4	38
15	Electromagnetic Scattering for Multiple PEC Bodies of Revolution Using Equivalence Principle Algorithm. IEEE Transactions on Antennas and Propagation, 2014, 62, 2736-2744.	5.1	38
16	An Efficient Approach for the Synthesis of Large Sparse Planar Array. IEEE Transactions on Antennas and Propagation, 2019, 67, 7320-7330.	5.1	35
17	Polarization-Controlled Shared-Aperture Metasurface for Generating a Vortex Beam With Different Modes. IEEE Transactions on Antennas and Propagation, 2018, 66, 7455-7459.	5.1	32
18	Efficient Analysis of EM Scattering From Bodies of Revolution via the ACA. IEEE Transactions on Antennas and Propagation, 2014, 62, 983-985.	5.1	31

#	ARTICLE	IF	CITATIONS
19	A Discontinuous Galerkin Time-Domain Integral Equation Method for Electromagnetic Scattering From PEC Objects. IEEE Transactions on Antennas and Propagation, 2016, 64, 2410-2417.	5.1	30
20	An Efficient Domain Decomposition Parallel Scheme for Leapfrog ADI-FDTD Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 1490-1494.	5.1	30
21	Efficient Characteristic Mode Analysis for Radiation Problems of Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 199-206.	5.1	30
22	Application of preconditioned CG-FFT technique to method of lines for analysis of the infinite-plane metallic grating. Microwave and Optical Technology Letters, 2000, 24, 170-175.	1.4	29
23	Application of the multifrontal method to the vector FEM for analysis of microwave filters. Microwave and Optical Technology Letters, 2001, 31, 465-470.	1.4	28
24	A Multiresolution Curvilinear Rao-Wilton-Glisson Basis Function for Fast Analysis of Electromagnetic Scattering. IEEE Transactions on Antennas and Propagation, 2009, 57, 3179-3188.	5.1	28
25	Wideband Fast Kernel-Independent Modeling of Large Multiscale Structures Via Nested Equivalent Source Approximation. IEEE Transactions on Antennas and Propagation, 2015, 63, 2122-2134.	5.1	28
26	An efficient sparse approximate inverse preconditioning for FMM implementation. Microwave and Optical Technology Letters, 2007, 49, 1746-1750.	1.4	27
27	Transient Analysis for Electrothermal Properties in Nanoscale Transistors. IEEE Transactions on Electron Devices, 2018, 65, 3930-3935.	3.0	26
28	FDTD analysis of a plasma whip antenna. Microwave and Optical Technology Letters, 2005, 47, 147-150.	1.4	25
29	Equivalence Principle Algorithm With Body of Revolution Equivalence Surface for the Modeling of Large Multiscale Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 1818-1828.	5.1	25
30	Design of In-Phase and Quadrature Two Paths Space-Time-Modulated Metasurfaces. IEEE Transactions on Antennas and Propagation, 2022, 70, 5563-5573.	5.1	25
31	A Novel Hierarchical Two-Level Spectral Preconditioning Technique for Electromagnetic Wave Scattering. IEEE Transactions on Antennas and Propagation, 2008, 56, 1122-1132.	5.1	24
32	Space mapping optimisation of 2D array elements arrangement to reduce the radar cross-section scattering. IET Microwaves, Antennas and Propagation, 2017, 11, 1578-1582.	1.4	24
33	Parallel Marching-on-in-Degree Solver of Time-Domain Combined Field Integral Equation for Bodies of Revolution Accelerated by MLACA. IEEE Transactions on Antennas and Propagation, 2015, 63, 3705-3710.	5.1	23
34	A Surrogate Modeling Technique for Electromagnetic Scattering Analysis of 3-D Objects With Varying Shape. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1524-1527.	4.0	23
35	Efficient volumetric method of moments for modeling plasmonic thin-film solar cells with periodic structures. Optics Express, 2018, 26, 25037.	3.4	23
36	Application of the preconditioned conjugate-gradient algorithm to the edge FEM for electromagnetic boundary-value problems. Microwave and Optical Technology Letters, 2000, 27, 235-238.	1.4	22

#	ARTICLE	IF	CITATIONS
37	Adaptive Neighborhood-Preserving Discriminant Projection Method for HRRP-Based Radar Target Recognition. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 650-653.	4.0	22
38	Analysis of planar circuits using an unconditionally stable 3D ADI-FDTD method. Microwave and Optical Technology Letters, 2005, 46, 175-179.	1.4	21
39	Spectral Two-Step Preconditioning of Multilevel Fast Multipole Algorithm for the Fast Monostatic RCS Calculation. IEEE Transactions on Antennas and Propagation, 2007, 55, 2268-2275.	5.1	21
40	An Efficient Volume Integral Equation Solution to EM Scattering by Complex Bodies With Inhomogeneous Bi-Isotropy. IEEE Transactions on Antennas and Propagation, 2007, 55, 1970-1980.	5.1	21
41	A combination of FDTD and least-squares support vector machines for analysis of microwave integrated circuits. Microwave and Optical Technology Letters, 2005, 44, 296-299.	1.4	20
42	A fluid model simulation of a simplified plasma limiter based on spectral-element time-domain method. Physics of Plasmas, 2015, 22, .	1.9	20
43	Analysis of electromagnetic scattering of three-dimensional dielectric bodies using Krylov subspace FFT iterative methods. Microwave and Optical Technology Letters, 2003, 39, 261-267.	1.4	19
44	An Efficient 3-D Time-Domain Method for High Power Microwave Propagation Problems. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 990-993.	4.0	19
45	Transient Analysis of High-Power Microwave Air Breakdown under External DC Magnetic Field. IEEE Transactions on Antennas and Propagation, 2020, 68, 4894-4903.	5.1	19
46	Design of a Fourth-Order Dual-Band Bandpass Filter With Independently Controlled External and Inter-Resonator Coupling. IEEE Microwave and Wireless Components Letters, 2015, 25, 642-644.	3.2	18
47	High Resolution 2-D Electromagnetic Vortex Imaging Using Uniform Circular Arrays. IEEE Access, 2019, 7, 132430-132437.	4.2	18
48	Uncertainty Scattering Analysis of 3-D Objects With Varying Shape Based on Method of Moments. IEEE Transactions on Antennas and Propagation, 2019, 67, 2835-2840.	5.1	18
49	Design of Wide Scanning Sparse Planar Array Using Both Matrix-Pencil and Space-Mapping Methods. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 140-144.	4.0	18
50	A Vector Meshless Parabolic Equation Method for Three-Dimensional Electromagnetic Scatterings. IEEE Transactions on Antennas and Propagation, 2015, 63, 2595-2603.	5.1	17
51	A Time-Domain Thin Dielectric Sheet (TD-TDS) Integral Equation Method for Scattering Characteristics of Tunable Graphene. IEEE Transactions on Antennas and Propagation, 2018, 66, 1366-1373.	5.1	17
52	A Doubly Hierarchical MoM for High-Fidelity Modeling of Multiscale Structures. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 1103-1111.	2.2	16
53	SIW magicâ€” with bandpass response. Electronics Letters, 2015, 51, 1078-1080.	1.0	16
54	Two-Way Propagation Modeling of Expressway With Vehicles by Using the 3-D ADI-PE Method. IEEE Transactions on Antennas and Propagation, 2018, 66, 2156-2160.	5.1	16

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55	Mixed-Form Nested Approximation for Wideband Multiscale Simulations. IEEE Transactions on Antennas and Propagation, 2018, 66, 6128-6136.	5.1	16
56	3-D-Printed Wideband High-Efficiency Dual-Frequency Antenna for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 3457-3469.	6.3	16
57	An efficient method to analyze the H-plane waveguide junction circulator with a ferrite sphere. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 928-937.	4.6	15
58	Combination of particle-swarm optimization with least-squares support vector machine for FDTD time series forecasting. Microwave and Optical Technology Letters, 2006, 48, 141-144.	1.4	15
59	Analysis of Scattering Properties from an Infinite Plasma Cylinder. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 61-69.	0.6	15
60	An Efficient Surface Integral Equation Solution to EM Scattering by Chiral Objects Above a Lossy Half Space. IEEE Transactions on Antennas and Propagation, 2009, 57, 3586-3593.	5.1	15
61	Preconditioning Matrix Interpolation Technique for Fast Analysis of Scattering Over Broad Frequency Band. IEEE Transactions on Antennas and Propagation, 2010, 58, 2484-2487.	5.1	15
62	Analysis of transient electromagnetic scattering using UV method enhanced time-domain integral equations with Laguerre polynomials. Microwave and Optical Technology Letters, 2011, 53, 158-163.	1.4	15
63	Efficient radar cross-section computation of electrically large targets with ADI-PE method. Electronics Letters, 2015, 51, 360-362.	1.0	15
64	Domain decomposition scheme with equivalence spheres for the analysis of aircraft arrays in a large-scale range. Engineering Analysis With Boundary Elements, 2016, 73, 42-49.	3.7	15
65	A Hybrid Spectral-Element Finite-Difference Time-Domain Method for Electromagnetic Simulation. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2244-2248.	4.0	15
66	Nonlinear Analysis of Microwave Limiter Using Field-Circuit Coupling Algorithm Based on Time-Domain Volume-Surface Integral Method. IEEE Microwave and Wireless Components Letters, 2017, 27, 864-866.	3.2	15
67	Efficient unitary matrix pencil method for synthesising wideband frequency patterns of sparse linear arrays. IET Microwaves, Antennas and Propagation, 2018, 12, 1871-1876.	1.4	15
68	Electromagnetic Scattering Analysis of a Conductor Coated by Multilayer Thin Materials. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1033-1036.	4.0	14
69	A 3-D Continuous-Discontinuous Galerkin Finite-Element Time-Domain Method for Maxwell's Equations. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 908-911.	4.0	14
70	Wave Propagation Modeling of Tunnels in Complex Meteorological Environments With Parabolic Equation. IEEE Transactions on Antennas and Propagation, 2018, 66, 6629-6634.	5.1	14
71	Uncertainty RCS Computation for Multiple and Multilayer Thin Medium-Coated Conductors by an Improved TDS Approximation. IEEE Transactions on Antennas and Propagation, 2020, 68, 8053-8061.	5.1	14
72	Application of Parallel CM-MLFMA Method to the Analysis of Array Structures. IEEE Transactions on Antennas and Propagation, 2021, 69, 6116-6121.	5.1	14

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73	Flexible GMRES-FFT method for fast matrix solution: application to 3D dielectric bodies electromagnetic scattering. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2004, 17, 523-537.	1.9	13
74	Scattering characteristics of general bi-isotropic objects using surface integral equations. Radio Science, 2006, 41, n/a-n/a.	1.6	13
75	Radar Target Recognition Based on Multi-Directional E-Pulse Technique. IEEE Transactions on Antennas and Propagation, 2013, 61, 5838-5843.	5.1	13
76	Solution of PMCHW Integral Equation for Transient Electromagnetic Scattering From Dielectric Body of Revolution. IEEE Transactions on Antennas and Propagation, 2015, 63, 5124-5129.	5.1	13
77	Numerical Analysis of Multi-Carrier Microwave Breakdown in Waveguide Components. IEEE Microwave and Wireless Components Letters, 2016, 26, 77-79.	3.2	13
78	Nested Equivalent Source Approximation for the Modeling of Penetrable Bodies. IEEE Transactions on Antennas and Propagation, 2017, 65, 954-959.	5.1	13
79	A Low-Frequency EFIE-MLFMA Solver Based on Approximate Diagonalization of Green's Function. IEEE Transactions on Antennas and Propagation, 2017, 65, 7150-7156.	5.1	13
80	Time-Domain Impulse Response With the TD-VSIE Field-Circuit Coupling Algorithm for Nonlinear Analysis of Microwave Amplifier. IEEE Microwave and Wireless Components Letters, 2018, 28, 431-433.	3.2	13
81	An Efficient Volumetric SBR Method for Electromagnetic Scattering From In-Homogeneous Plasma Sheath. IEEE Access, 2019, 7, 90162-90170.	4.2	13
82	Low-Rank Matrix Factorization Method for Multiscale Simulations: A Review. IEEE Open Journal of Antennas and Propagation, 2021, 2, 286-301.	3.7	13
83	Analysis of microstrip discontinuity by edge-based FEM combined with SOC technique. Microwave and Optical Technology Letters, 2001, 31, 169-174.	1.4	12
84	Application of preconditioned Krylov subspace iterative FFT techniques to method of lines for analysis of the infinite plane metallic grating. Microwave and Optical Technology Letters, 2002, 35, 160-167.	1.4	12
85	Wavelet-based sparse approximate inverse preconditioned CG algorithm for fast analysis of microstrip circuits. Microwave and Optical Technology Letters, 2002, 35, 383-389.	1.4	12
86	SSOR preconditioned GMRES for the FEM analysis of waveguide discontinuities with anisotropic dielectric. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2004, 17, 105-118.	1.9	12
87	FDTD analysis on the effect of plasma parameters on the reflection coefficient of the electromagnetic wave. Optical and Quantum Electronics, 2007, 39, 1245-1252.	3.3	12
88	Analysis of Electromagnetic Scattering from Plasma Antenna Using CG-FFT Method. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 486-492.	0.6	12
89	Multiresolution preconditioned multilevel UV method for analysis of planar layered finite frequency selective surface. Microwave and Optical Technology Letters, 2010, 52, 1530-1536.	1.4	12
90	A Higher-Order Solution of Volume Integral Equation for Electromagnetic Scattering From Inhomogeneous Objects. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 627-630.	4.0	12

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91	A Novel Parallel Parabolic Equation Method for Electromagnetic Scatterings. IEEE Transactions on Antennas and Propagation, 2016, 64, 4777-4784.	5.1	12
92	Analysis of Scattering From Composite Conducting Dispersive Dielectric Objects by Time-Domain Volume-Surface Integral Equation. IEEE Transactions on Antennas and Propagation, 2016, 64, 1984-1989.	5.1	12
93	Efficient method for evaluation of second-harmonic generation by surface integral equation. Optics Express, 2017, 25, 28010.	3.4	12
94	An Electrically Controlled Pattern- and Polarization-Reconfigurable Cylindrical Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2309-2313.	4.0	12
95	Port and Radiation Pattern Decoupling of Dielectric Resonator Antennas. IEEE Transactions on Antennas and Propagation, 2022, 70, 7713-7726.	5.1	12
96	Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 2000, 21, 1541-1560.	0.6	11
97	Adaptive sampling cubic spline interpolation method for efficient calculation of monostatic RCS. Microwave and Optical Technology Letters, 2008, 50, 751-755.	1.4	11
98	Fast analysis of finite and curved frequency-selective surfaces using the VSIE with MLFMA. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2011, 24, 425-436.	1.9	11
99	Improved multilevel physical optics algorithm for fast computation of monostatic radar cross section. IET Microwaves, Antennas and Propagation, 2014, 8, 93-98.	1.4	11
100	A Numerical Simulation of C3N Nanoribbon-Based Field-Effect Transistors. IEEE Transactions on Electron Devices, 2019, 66, 1087-1091.	3.0	11
101	Electro-Thermal Analysis of Microwave Limiter Based on the Time-Domain Impulse Response Method Combined With Physical-Model-Based Semiconductor Solver. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2579-2589.	4.6	11
102	The SSOR-preconditioned inner outer flexible GMRES method for the FEM analysis of EM problems. Microwave and Optical Technology Letters, 2006, 48, 1708-1712.	1.4	10
103	A Spectral Multigrid Method Combined With MLFMM for Solving Electromagnetic Wave Scattering Problems. IEEE Transactions on Antennas and Propagation, 2007, 55, 2571-2577.	5.1	10
104	SO-FDTD Analysis on Magnetized Plasma. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 751-758.	0.6	10
105	Adaptive sampling bicubic spline interpolation method for fast calculation of monostatic RCS. Microwave and Optical Technology Letters, 2008, 50, 1851-1857.	1.4	10
106	Optimizing polyphase sequences for orthogonal netted radar systems. Journal of Systems Engineering and Electronics, 2012, 23, 529-535.	2.2	10
107	Fast Analysis of Transient Electromagnetic Scattering Using the Taylor Series Expansion-Enhanced Time-Domain Integral Equation Solver. IEEE Transactions on Antennas and Propagation, 2016, 64, 3943-3952.	5.1	10
108	An Efficient Marching-on-in-Degree Solution of Transient Multiscale EM Scattering Problems. IEEE Transactions on Antennas and Propagation, 2016, 64, 3039-3046.	5.1	10

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109	An Efficient Marching-on-in-Degree Solver of Surface Integral Equation for Multilayer Thin Medium-Coated Conductors. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016, 15, 1458-1461.	4.0	10
110	An Arbitrary High-Order DGTD Method With Local Time-Stepping for Nonlinear Field-Circuit Cosimulation. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 526-535.	5.1	10
111	Title is missing!. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2000, 21, 945-963.	0.6	9
112	An algebraic domain decomposition algorithm for the vector finite-element analysis of 3D electromagnetic field problems. <i>Microwave and Optical Technology Letters</i> , 2002, 34, 414-417.	1.4	9
113	A Fast Hybrid Method for EM Analysis of Electrically Large Metal Space Frame Radomes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014, 13, 1124-1127.	4.0	9
114	Marching-on-in-Degree Solver of Time-Domain Finite Element-Boundary Integral Method for Transient Electromagnetic Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2014, 62, 319-326.	5.1	9
115	Time Domain Analysis of Electromagnetic Scattering Problems by Using Integral Equation Method With Space-Delayed Temporal Basis Functions. <i>IEEE Transactions on Antennas and Propagation</i> , 2014, 62, 5846-5851.	5.1	9
116	Fast analysis of wide-band scattering from electrically large targets with time-domain parabolic equation method. <i>Computer Physics Communications</i> , 2016, 200, 139-146.	7.5	9
117	A Hybrid Volume-Surface Integral Spectral-Element Time-Domain Method for Nonlinear Analysis of Microwave Circuit. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 3034-3037.	4.0	9
118	Influence of Geometry of Metallic Nanoparticles on Absorption of Thin-Film Organic Solar Cells: A Critical Examination. <i>IEEE Access</i> , 2020, 8, 145950-145959.	4.2	9
119	Transient analysis of light brightness emitted from high power microwave nitrogen breakdown under external dc magnetic field. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	9
120	Analysis of pentagonal waveguides for high-power transmission by use of eigenmode expansion. <i>Microwave and Optical Technology Letters</i> , 2000, 27, 125-129.	1.4	8
121	Application of SSOR Preconditioning Technique to Method of Lines for Millimeter Wave Scattering. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2000, 21, 1281-1301.	0.6	8
122	Modeling and design of interdigital capacitor based on neural networks and genetic algorithm. <i>Microwave and Optical Technology Letters</i> , 2003, 38, 231-235.	1.4	8
123	Fast analysis of microwave integrated circuits by use of the inner-outer flexible GMRES-FFT method. <i>Microwave and Optical Technology Letters</i> , 2004, 43, 409-413.	1.4	8
124	AN EFFICIENT SAI PRECONDITIONING TECHNIQUE FOR HIGHER ORDER HIERARCHICAL MLFMM IMPLEMENTATION. <i>Progress in Electromagnetics Research</i> , 2008, 88, 255-273.	4.4	8
125	Well-conditioned MLFMA for electromagnetic scattering from dielectric objects above a lossy half-space. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 381-386.	1.4	8
126	Fast analysis of three-dimensional electromagnetic problems using dual-primal finite element tearing and interconnecting method combined with \hat{A} -matrix technique. <i>IEE Transactions on Antennas and Propagation</i> , 2015, 9, 640-647.	1.4	8

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127	A Higher Order Nyström TD-VIE Method for Scattering From Magnetized Plasma Objects. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 408-411.	4.0	8
128	A parallelizable direct solution of integral equation methods for electromagnetic analysis. Engineering Analysis With Boundary Elements, 2017, 85, 158-164.	3.7	8
129	An Efficient Fast Algorithm for Accelerating the Time-Domain Integral Equation Discontinuous Galerkin Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 4919-4924.	5.1	8
130	RF MEMS In-Line Type Phase Detector With Large Dynamic Range. IEEE Electron Device Letters, 2019, 40, 792-795.	3.9	8
131	Wideband Millimeter-Wave Substrate-Integrated Waveguide-Fed Metasurface Antenna. IEEE Transactions on Antennas and Propagation, 2022, 70, 5335-5344.	5.1	8
132	Three-dimensional analysis of dielectric-loaded waveguide discontinuity by edge FEM combined with SOC technique. Microwave and Optical Technology Letters, 2000, 27, 438-444.	1.4	7
133	FDTD analysis with modified matrix pencil method for the UC-EBG low-pass filters. Microwave and Optical Technology Letters, 2005, 44, 37-41.	1.4	7
134	An incomplete factorization preconditioner based on shifted Laplace operators for FEM analysis of microwave structures. Microwave and Optical Technology Letters, 2010, 52, 1036-1042.	1.4	7
135	A Fast Numerical Algorithm for Calculating Electromagnetic Scattering from an Object above a Rough Surface. Electromagnetics, 2013, 33, 10-22.	0.7	7
136	Analyzing electromagnetic scattering using characteristic basis function method with compressed sensing. , 2013, , .		7
137	Design and optimization of cross-coupled substrate integrated waveguide filters using space mapping method. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 360-366.	1.2	7
138	A Higher Order Nyström Scheme for a Marching-on-in-Time Solution of Time-Domain Integral Equation. IEEE Transactions on Antennas and Propagation, 2015, 63, 2762-2767.	5.1	7
139	Multilevel Complex Source Beam Method for Electromagnetic Scattering Problems. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 843-846.	4.0	7
140	Fast Wideband Scattering Analysis Based on Taylor Expansion and Higher-Order Hierarchical Vector Basis Functions. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 579-582.	4.0	7
141	Analysis of Transient EM Scattering From Penetrable Objects by Time Domain Nonconformal VIE. IEEE Transactions on Antennas and Propagation, 2016, 64, 360-365.	5.1	7
142	Volume integral equation equivalence principle algorithm domain decomposition with body of revolution equivalence surface. IET Microwaves, Antennas and Propagation, 2018, 12, 375-379.	1.4	7
143	Fast Computation of Electromagnetic Scattering From a Metal-Dielectric Composite and Randomly Distributed BoRs Cluster. IEEE Transactions on Antennas and Propagation, 2019, 67, 7655-7660.	5.1	7
144	Electromagnetic Modeling of Moving Mixed Conductive and Dielectric BoRs With an Effective Domain Decomposition Method. IEEE Transactions on Antennas and Propagation, 2020, 68, 7978-7985.	5.1	7

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145	Analysis of open microstrip lines by MOL. <i>The International Executive</i> , 1993, 3, 109-113.	0.1	6
146	The block-Toeplitz-matrix based CG-FFT algorithm with an inexact sparse preconditioner for analysis of microstrip circuits. <i>Microwave and Optical Technology Letters</i> , 2002, 34, 347-351.	1.4	6
147	A fast analysis of microwave devices by the combined unifrontal/multifrontal solver for unsymmetric sparse matrices. <i>Microwave and Optical Technology Letters</i> , 2002, 35, 76-81.	1.4	6
148	Sparse approximate inverse preconditioned CG-FFT algorithm with block toeplitz matrix for fast analysis of microstrip circuits. <i>Microwave and Optical Technology Letters</i> , 2002, 35, 120-125.	1.4	6
149	Application of a two-step preconditioning strategy to the finite element analysis for electromagnetic problems. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 1623-1627.	1.4	6
150	Multipreconditioned GMRES method for electromagnetic wave scattering problems. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 150-152.	1.4	6
151	A Further Study on the Use of the Alternating-Direction Implicit Scheme for the Finite-Element Time-Domain Method. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009, 8, 775-778.	4.0	6
152	Marching-on-in-order time-domain volume-surface integral equations in analysis of transient electromagnetic scattering from composite conducting-dielectric objects. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 1315-1319.	1.4	6
153	A Multilevel FFT Method for the 3-D Capacitance Extraction. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2013, 32, 318-322.	2.7	6
154	GPU-accelerated ADI-PE method for analysis of EM scatterings. <i>Electronics Letters</i> , 2015, 51, 1652-1654.	1.0	6
155	An Effective MoM Solution With Nested Complex Source Beam Method for Electromagnetic Scattering Problems. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 2546-2551.	5.1	6
156	A Novel Marching-on-in-Degree Solver of Time Domain Parabolic Equation for Transient EM Scattering Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 4905-4910.	5.1	6
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